

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2009-06-30  
**Date of Last Change to Activities:** 2012-04-30  
**Investment Auto Submission Date:** 2012-02-29  
**Date of Last Investment Detail Update:** 2011-09-23  
**Date of Last Exhibit 300A Update:** 2012-06-29  
**Date of Last Revision:** 2012-06-29

**Agency:** 024 - Department of Homeland Security Operations

**Bureau:** 10 - Departmental Management and

**Investment Part Code:** 01

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** A&O - Common Operational Picture (COP)

**2. Unique Investment Identifier (Ull):** 024-000009104

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The Common Operational Picture (COP) is the core DHS situational awareness (SA) capability for effective decision-making, rapid staff actions, and appropriate mission execution. The COP is an application that supports the DHS mission of responding to threats and hazards to the nation by collecting, sharing and displaying multi-dimensional information that facilitates collaborative planning and responses to these threats. The COP was established to address the enormous responsibilities and challenges facing the National Operations Center (NOC) - the single national entity to unify situational awareness and response, recovery, and mitigation functions. It addresses the challenges in the expanding information environment by harnessing the information flood to rapidly find and apply the relevant contextual relationships needed to interpret implications. This situational awareness capability, utilized by NOC, supports decision-makers such as the White House, DHS Secretary and Deputy Secretary, DHS operations leadership as well as other key staff at the Federal, State, tribal, and local levels. COP stakeholders benefit by receiving consistent, timely and accurate reporting of critical information for events of national/international significance. In FY09, OPS leadership prioritized three main areas for COP technology enhancement: 1) improving NOC Senior Watch Officer (SWO) data infusion, 2) auto-ingestion of data from multiple sources, and 3) creation of a consolidated, centralized data repository.

This technology enhancement for the COP investment is a three-year project, scheduled for completion in FY12, for automating and facilitating the receipt and ingest of electronic correspondence from multiple sources such as private entities and federal and state agencies. The benefits of these enhancements are real time situational awareness, alerts, advanced analytics, data visualization and collaboration with the DHS Geo-spatial Information Infrastructure.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The National Operations Center (NOC) currently has an OMB performance measure to generate the required incident reports for dissemination using the COP. The OMB mandate specifies an initial incident report must be generated within 25 minutes of the occurrence. Common Operational Picture meets the OMB requirement.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

Design, Develop, Deploy and sustain a Common Operational Picture for the Department of Homeland Security as required by law.

**5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2010-12-08

## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$12.4	\$0.2	\$0.1	\$0.1
DME (Excluding Planning) Costs:	\$21.2	\$1.9	\$0.9	\$1.7
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$0.2	\$0.2
Sub-Total DME (Including Govt. FTE):	\$33.6	\$2.1	\$1.2	\$2.0
O & M Costs:	\$12.8	\$3.6	\$2.3	\$4.8
O & M Govt. FTEs:	\$0.8	\$0.5	\$0.5	\$0.5
Sub-Total O & M Costs (Including Govt. FTE):	\$13.6	\$4.1	\$2.8	\$5.3
Total Cost (Including Govt. FTE):	\$47.2	\$6.2	\$4.0	\$7.3
Total Govt. FTE costs:	\$0.8	\$0.5	\$0.7	\$0.7
# of FTE rep by costs:	4	4	4	4
Total change from prior year final President's Budget (\$)		\$-3.2	\$0.2	
Total change from prior year final President's Budget (%)		-34.00%	6.00%	

**2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:**

COP budget was increased from 3.954 to 7.33 for COP replatforming, IT Enhancements, and hosting services in DHS data center two. Major upgrades will include COOP DR, increased data feeds to NOC elements and DHS components, and RFI.

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	7001	<a href="#">HSHQDC-09-J-00495</a>	HSHQDC-06-D-00061	7001							
Awarded	7001	<a href="#">HSHQDC-10-J-00566</a>	HSHQDC-06-D-00061	7001							

**2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:**

COP O&M is maintained as a small part of the General Dynamics (GD) Homeland Security Information Network (HSIN) Next Generation program. GD is required to do earned value management (EVM) on the development piece of its contract. However, the O&M portion of the contract is treated as level of effort and does not require EVM. The program management effort led by Blackstone Technology does not require EVM due to the small annual dollar value contributed to OPS CIO Program Management Support by the COP investment. The new COP Technology Refresh contract awarded in Q4 FY09 will require EVM. In January 2006, DHS established policy that all contracts contain wording pertaining to EV, EVM and the use of an EVMS. The Homeland Security Acquisition Manual (HSAM) Subchapter 3034.2 (updated December 2006) established the requirement for using EVM on efforts in development based on contract size and risk. Based on the stage and type of the SPAWAR and Blackstone Technology contracts, as well as budgetary implications, implementing EVM would provide little value and would neither be cost effective nor informative. In light of plans to let a contract under EAGLE, the COP Program Manager in place met with the DHS EVM Subject Matter Expert (SME) regarding DHS EVM requirements. The SME agreed that the current state of the contract did not warrant EVM. Further, in FY08 Q1, following review by the OPS CIO, development on the current COP system ceased. The remaining non-developmental work is centered on Operations & Maintenance and Level of Effort support work, including program management, training, performance, capital planning and investment control, and customer stakeholder engagement activities, for which EVM is not applicable. These non-developmental activities fall under a Time & Materials contract with Blackstone Technology Group. As stated in the Acquisition Plan, the COP Technology Refresh will be procured under EAGLE, which has a clear ANSI/EIA-748 EVM mandate. Per the EAGLE Guide, DHS OPS will use EVM to monitor development tasks under the new contract and the contractor will be required to provide monthly EVM information that meets the criteria defined in ANSI/EIA-748.

## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2012-04-30

### Section B: Project Execution Data

**Table II.B.1 Projects**

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
1	DHS COP Infrastructure deployment @ DHS Data Center 2	Platform deployment: Complete build & deployment of dedicated COP infrastructure to DHS Data Center 2.			
2	DHS COP enhanced functionality capabilities	Advanced Functionality Capabilities: Incident Management, Request For Information, Reporting, Auto-Ingest, Email Triage and visualization.			

### Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
1	DHS COP Infrastructure deployment @ DHS Data Center 2							
2	DHS COP enhanced functionality capabilities							

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
2	COP Functionality Capabilities development	Develop COP functionality based upon OPS Operational Requirements Document (ORD) via agile development with OPS user community evaluation/acceptance during sprints. Functional Capabilities to include : Incident Management, Request For Information, Reporting, Auto-Ingest, Email triage and visualization	2012-01-15	2012-01-15	2012-02-17	31	-33	-106.45%

## Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Average Score on a customer satisfaction scale 1-5, 5 being "most satisfied"	points	Customer Results - Customer Benefit	Over target	0.000000	0.000000	0.000000	4.500000	Quarterly
Increase number of staff who have fully adopted user capabilities	number	Mission and Business Results - Services for Citizens	Over target	0.000000	0.000000	0.000000	50.000000	Quarterly
Increase number of data input multiple sources	number	Technology - Efficiency	Over target	0.000000	0.000000	0.000000	40.000000	Quarterly
Percentage of time system is available excluding unscheduled down time	percent	Technology - Reliability and Availability	Over target	0.000000	0.000000	0.000000	98.000000	Monthly
Reduce response time for RFIs from OPS, a major stakeholder	minutes	Process and Activities - Cycle Time and Timeliness	Under target	0.000000	0.000000	0.000000	60.000000	Semi-Annual
Reduce time to respond to RFIs from INA, a major stakeholder	hours	Process and Activities - Cycle Time and Timeliness	Under target	0.000000	0.000000	0.000000	24.000000	Semi-Annual